The demand must be filed directly with the competent International Preliminary Examining Authority or, if two or more Authorities are competent, with the one chosen by the applicant. The full name or two-letter code of that Authority may be indicated by the applicant on the line below:

IPEA/ _____

PCT

CHAPTER II

DEMAND

under Article 31 of the Patent Cooperation Treaty:
The undersigned requests that the international application specified below be the subject of international preliminary examination according to the Patent Cooperation Treaty.

For International Preliminary Examining Authority use only

Identification of IPEA	Date of receipt of DEMAND

Box No. I IDENTIFICATION OF THE INTERNATIONAL APPLICATION

Applicant's or agent's file reference: 11346P5 WO/KTC

International application No.	International filing date *(day/month/year)*	(Earliest) Priority date *(day/month/year)*
PCT/GB2004/004369	15 October 2004	7 November 2003

Title of invention
PACKAGING MEANS FOR EMANATING PYRETHROID EFFECTIVE IN CONTROLLING FLYING INSECTS

Box No. II APPLICANT(S)

Name and address: *(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)*

Reckitt Benckiser (Australia) Pty Limited
44 Wharf Road
West Ryde
NSW 2114
AUSTRALIA

Telephone No.: +61 29857 2000
Facsimile No.: +61 29858 5721
Teleprinter No.:
Applicant's registration No. with the Office:

State *(that is, country)* of nationality:	State *(that is, country)* of residence:
AU	AU

Name and address: *(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)*

BOWMAN, Gary Raymond
Reckitt Benckiser (Australia) Pty Limited
44 Wharf Road
West Ryde
NSW 2114
AUSTRALIA

State *(that is, country)* of nationality:	State *(that is, country)* of residence:
AU	AU

Name and address: *(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)*

Reckitt Benckiser (UK) Limited
103-105 Bath Road
Slough
Berkshire
SL1 3UH
UNITED KINGDOM

State *(that is, country)* of nationality:	State *(that is, country)* of residence:
GB	GB

[X] Further applicants are indicated on a continuation sheet.

International application No.
PCT/GB2004/004369

Continuation of Box No. II APPLICANT(S)

If none of the following sub-boxes is used, this sheet should not be included in the demand.

Name and address: *(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)*

KEMMIS, Bruce Graham
55 Beresford Road
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New South Wales 2120
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AU	AU

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MORRIS, Alan John
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BALAKRISHNAN, Krishanthi
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LK	AU

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RIDLEY, Philip Stephen
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AU	AU

☒ Further applicants are indicated on another continuation sheet.

International application No.
PCT/GB2004/004369

Continuation of Box No. II APPLICANT(S)

If none of the following sub-boxes is used, this sheet should not be included in the demand.

Name and address: *(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)*

JUNUS, Rosita
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AU	AU

Name and address: *(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)*

THOMPSON, Ian Andrew
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AUSTRALIA

State *(that is, country)* of nationality:	State *(that is, country)* of residence:
AU	AU

Name and address: *(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)*

State *(that is, country)* of nationality:	State *(that is, country)* of residence:

Name and address: *(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)*

State *(that is, country)* of nationality:	State *(that is, country)* of residence:

☐ Further applicants are indicated on another continuation sheet.

International application No.
PCT/GB2004/004369

Box No. III AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE

The following person is [X] agent [ ] common representative

and [ ] has been appointed earlier and represents the applicant(s) also for international preliminary examination.

[ ] is hereby appointed and any earlier appointment of (an) agent(s)/common representative is hereby revoked.

[X] is hereby appointed, specifically for the procedure before the International Preliminary Examining Authority, in addition to the agent(s)/common representative appointed earlier.

Name and address: *(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)*

Karen Teresa Cawdell
Reckitt Benckiser plc
Legal Department - Patents Group
Dansom Lane
Hull, HU8 7DS
UNITED KINGDOM

Telephone No.
+44 (0)1753 446232

Facsimile No.
+44 (0)1482 216876

Teleprinter No.

Agent's registration No. with the Office

[ ] **Address for correspondence:** Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

Box No. IV BASIS FOR INTERNATIONAL PRELIMINARY EXAMINATION

Statement concerning amendments:*

1. The applicant wishes the international preliminary examination **to start on the basis of:**

[ ] the international application as originally filed

the description [X] as originally filed
[ ] as amended under Article 34

the claims [ ] as originally filed
[ ] as amended under Article 19 (together with any accompanying statement)
[X] as amended under Article 34

the drawings [X] as originally filed
[ ] as amended under Article 34

2. [ ] The applicant wishes any amendment to the claims under Article 19 to be considered as reversed.
3. [ ] Where the IPEA wishes to start the international preliminary examination at the same time as the international search in accordance with Rule 69.1(b), the applicant requests the IPEA **to postpone** the start of the international preliminary examination until the expiration of the applicable time limit under Rule 69.1(d).
4. [ ] The applicant expressly wishes the international preliminary examination **to start earlier** than at the expiration of the applicable time limit under Rule 54*bis*.1(a).

* Where no check-box is marked, international preliminary examination will start on the basis of the international application as originally filed or, where a copy of amendments to the claims under Article 19 and/or amendments of the international application under Article 34 are received by the International Preliminary Examining Authority before it has begun to draw up a written opinion or the international preliminary examination report, as so amended.

Language for the purposes of international preliminary examination: English

[X] which is the language in which the international application was filed.
[ ] which is the language of a translation furnished for the purposes of international search.
[ ] which is the language of publication of the international application.
[ ] which is the language of the translation (to be) furnished for the purposes of international preliminary examination.

Box No. V ELECTION OF STATES

The filing of this demand constitutes the election of all Contracting States which are designated and are bound by Chapter II of the PCT.

Sheet No. . . 5

International application No.
PCT/GB2004/004369

Box No. VI CHECK LIST

The demand is accompanied by the following elements, in the language referred to in Box No. IV, for the purposes of international preliminary examination:

				For International Preliminary Examining Authority use only: received	not received
1. translation of international application	:		sheets	☐	☐
2. amendments under Article 34	:	15	sheets	☐	☐
3. copy (or, where required, translation) of amendments under Article 19	:		sheets	☐	☐
4. copy (or, where required, translation) of statement under Article 19	:		sheets	☐	☐
5. letter	:	2	sheets	☐	☐
6. other *(specify)*	:		sheets	☐	☐

The demand is also accompanied by the item(s) marked below:

1. ☒ fee calculation sheet
2. ☐ original separate power of attorney
3. ☐ original general power of attorney
4. ☐ copy of general power of attorney; reference number, if any:
5. ☐ statement explaining lack of signature
6. ☐ sequence listing in electronic form
7. ☐ tables in electronic form related to a sequence listing
8. ☐ other *(specify)*:

Box No. VII SIGNATURE OF APPLICANT, AGENT OR COMMON REPRESENTATIVE

Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the demand).

Karen Teresa Cawdell
Agent for the Applicants

For International Preliminary Examining Authority use only

1. Date of actual receipt of DEMAND:

2. Adjusted date of receipt of demand due to CORRECTIONS under Rule 60.1(b):

3. ☐ The date of receipt of the demand is AFTER the expiration of 19 months from the priority date and item 4 or 5, below, does not apply.
   ☐ The applicant has been informed accordingly.
4. ☐ The date of receipt of the demand is WITHIN the time limit of 19 months from the priority date as extended by virtue of Rule 80.5.
5. ☐ Although the date of receipt of the demand is after the expiration of 19 months from the priority date, the delay in arrival is EXCUSED pursuant to Rule 82.
6. ☐ The date of receipt of the demand is AFTER the expiration of the time limit under Rule 54*bis*.1(a) and item 7 or 8, below, does not apply.
7. ☐ The date of receipt of the demand is WITHIN the time limit under Rule 54*bis*.1(a) as extended by virtue of Rule 80.5.
8. ☐ Although the date of receipt of the demand is after the expiration of the time limit under Rule 54*bis*.1(a), the delay in arrival is EXCUSED pursuant to Rule 82.

For International Bureau use only

Demand received from IPEA on:

See Notes to the demand form

CHAPTER II

PCT

FEE CALCULATION SHEET

Annex to the Demand

International application No. PCT/GB2004/004369	For International Preliminary Examining Authority use only
Applicant's or agent's file reference 11346P5 WO/KTC	Date stamp of the IPEA

Applicant

Reckitt Benckiser (Australia) Pty Limited et al

CALCULATION OF PRESCRIBED FEES

1. Preliminary examination fee	1530.00 P	
2. Handling fee *(Applicants from certain States are entitled to a reduction of 75% of the handling fee. Where the applicant is (or all applicants are) so entitled, the amount to be entered at H is 25% of the handling fee.)*	129.00 H	
3. Total of prescribed fees Add the amounts entered at P and H and enter total in the TOTAL box	1659.00 TOTAL	

MODE OF PAYMENT

☒ authorization to charge deposit account with the IPEA (see below)	☐ cash
☐ cheque	☐ revenue stamps
☐ postal money order	☐ coupons
☐ bank draft	☐ other *(specify)*:

AUTHORIZATION TO CHARGE (OR CREDIT) DEPOSIT ACCOUNT

(This mode of payment may not be available at all IPEAs)

IPEA/ EPO

☒ Authorization to charge the total fees indicated above.

☒ *(This check-box may be marked only if the conditions for deposit accounts of the IPEA so permit)* Authorization to charge any deficiency or credit any overpayment in the total fees indicated above.

Deposit Account No.: 2805 0225

Date: 17 August 2005

Name: Karen Teresa Cawdell

Signature: _____

Payment of fees and costs

European Patent Office
Directorate Cash and Accounts
D – 80298 München
Fax: (+49-89) 2399-2528

Please complete using a typewriter or a word processor

Name of payer

01 Reckitt Benckiser plc
Legal Department - Patents Group

Address

Dansom Lane
HULL HU8 7DS
02 UNITED KINGDOM

Payer's reference: 11346P5 WO/KTC

Mode of payment

☐ Bank/Giro transfer [1] — Bank/Giro Office:

☐ Enclosed Cheque No.

☒ Debit from deposit account with the EPO is requested [2] — Deposit account No.: 2805 0225

Patent application / Patent No. (A separate form is required for each application)

03 EP [ ] PCT GB2004/004369 03

	Code		Currency [3]	Amount
04	001	Filing fee		
05	002	Search fee		
06	005	Designation fee(s) [4]		
07	015	Claims fee(s) (Rule 31(1) EPC)		
08	055	Additional copy		
09	006	Examination fee		
10	007	Fee for grant including fee for printing (up to 35 pages)		
11	008	Additional fee for printing (more than 35 pages)		
12	033	Renewal fee for the 3rd year		
13	034	Renewal fee for the 4th year		
14	035	Renewal fee for the 5th year		
15		Extension fee(s) for [5]:		
16	021	Preliminary examination fee	EUR	1530.00
17	224	Handling fee	EUR	159.00
18				
19				
20				
21				
22		Total	EUR	1689.00

Signature: Karen Teresa Cawdell, Agent for the Applicant

Hull, United Kingdom 17 August 2005
Place, Date

CLAIMS:

1. A packaging means for retaining vapour active pyrethroids comprising a holder and a cellulosic based substrate or matrix impregnated and/or dosed with the vapour active pyrethroid,

wherein the holder comprises a top, a base and a longitudinal member vertically extending from between the top and base thereby supporting the top and the base in a spaced-apart relationship, and

wherein the cellulosic based substrate or matrix has a honeycomb configuration adapted to be retained between the top and the base and has a surface area so as to achieve sufficient emanation of the vapour active pyrethroid to control flying insects.

2. A packaging means for retaining vapour active pyrethroids comprising a holder and a cellulosic based substrate or matrix impregnated and/or dosed with the vapour active pyrethroid, wherein the holder comprises a top, a base and a longitudinal member vertically extending from between the top and base, and wherein the cellulosic matrix has a honeycomb configuration adapted to be retained between the top and base and has a surface area so as to achieve sufficient emanation of the vapour active pyrethroid to control flying insects, and wherein the cellulosic substrate or matrix is comprised of two or more discrete parts.

3. The packaging means according to claim 2 wherein the cellulosic substrate is comprised of two parts.

4. The packaging means according to claim 3 wherein the two parts are of substantially identical dimensions.

5. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or matrix has a surface area of about 50 - 5000 cm^2 and a height of about 8 - 23 cm.

6. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or matrix has a surface area of about 50 - 5000 cm^2 and a height of about 17.5 cm.

7. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or matrix has a surface area of about 180 - 2400 cm^2 and a height of about 8 - 23 cm.

8. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or matrix has a surface area of about 180-2400 cm^2 and a height of about 17.5 cm.

9. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or matrix has a grammage of about 12 - 260 gsm.

10. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or matrix has a grammage of about 18 - 40 gsm

11. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or matrix has a grammage of about 18 gsm.

12. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or matrix is impregnated and/or dosed with vapour active pyrethroid in an amount of about 2-3000 mg/m^2 of surface area.

13. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or matrix is impregnated and/or dosed with vapour active pyrethroid in an amount of about 16 - 320 mg/m^2 of surface area.

14. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or matrix is impregnated and/or dosed with vapour active pyrethroid in an amount of about 130-320 mg/m^2 of surface area

15. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or matrix is impregnated and/or dosed with vapour active pyrethroid in an amount of about 48-960 mg/m^2 of surface area.

16. The packaging means according any one of the preceding claims wherein the cellulosic based substrate or matrix is impregnated and/or dosed with vapour active

pyrethroid in an amount of about 390-960 mg/m^2 of surface area.

17. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or matrix is impregnated and/or dosed with vapour active pyrethroid in an amount of about 144-2880 mg/m^2 of surface area.

18. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or matrix is impregnated and/or dosed with vapour active pyrethroid in an amount of about 1170-2880 mg/m^2 of surface area.

19. The packaging means according to any one of the preceding claims wherein the longitudinal member is releasably attachable to the top, base or both of the top and base.

20. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or matrix, or the longitudinal vertically extending member, or both, are capable of being extended so that the top and base are in an open state or collapsed so that the top and base are in a closed state.

21. The packaging means according to claim 20 wherein the open state allows the vapour active pyrethroid to emanate into the atmosphere.

22. The packaging means according to claim 20 wherein the closed state substantially seals the cellulosic based substrate or matrix so that a minimal amount of vapour active pyrethroid is emanated into the atmosphere.

23. The packaging means according to claim 20 wherein the top and base are capable of being maintained in an intermediate state between the open and closed states thereby allowing the amount of surface area of the cellulosic based substrate or matrix exposed to the atmosphere to be controlled resulting in the control of the amount of vapour active pyrethroid emanated.

24. The packaging means according to any one of the preceding claims wherein the longitudinal member vertically extending between the top and the base is a column.

25. The packaging means according to claim 24 wherein the column is collapsible by folding at one or more hinged joints.

26. The packaging means according to claim 24 or claim 25 wherein the column is comprised of one or more parts and is collapsible by telescopic movement of the one or more parts of the column within the other parts of the column.

27. The packaging means according to any one of claims 24 to 26 wherein the column is comprised of two or more interfitting parts.

28. The packaging means according to any one of claims 24 to 27 wherein the column is comprised of two or more releasable interfitting parts.

29. The packaging means according to any one of claims 24 to 27 wherein the column is comprised of two or more non-releasable interfitting parts.

30. The packaging means according to claim 27 wherein the parts are able to be interfitted by means of a slotted configuration wherein each respective part comprises a slot which fits into the slot of another one or more parts .

31. The packaging means according to any one of claims 24 to 30 wherein the top is adapted to receive the column through an aperture thereby allowing the top to be moved along the column by a sliding motion so that the holder is able to be opened by sliding the top away from the base or closed by sliding the top towards the base.

32. The packaging means according to any one of the preceding claims wherein the longitudinal member vertically extending between the top and the base is a spring.

33. The packaging means according to claim 32 wherein the spring is compressed in the resting state so that the cellulosic based substrate or matrix is maintained in a collapsed state in the absence of an externally applied force.

34. The packaging means according to claim 32 or claim 33 wherein the spring is uncompressed in the resting state so that the cellulosic based substrate or matrix is maintained in an extended state in the absence of an externally applied force.

35. The packaging means according to any one of the preceding claims wherein the holder and cellulosic based substrate or matrix are adapted to allow the cellulosic matrix to be releasably retained in the holder and replaced as required.

36. The packaging means according to any one of the preceding claims wherein the holder comprises a slot within the periphery of each of the top and base and the cellulosic based substrate or matrix comprises a card on each of its ends, wherein the cards are able to be slid within the slots thereby allowing the cellulosic based substrate or matrix to be releasably retained in the holder.

37. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or matrix is adapted to receive the longitudinal member through an aperture thereby retaining the cellulosic based substrate or matrix between the top and base.

38. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or matrix is able to be replaced by detaching the top or base, or both, from the longitudinal member, mounting the cellulosic based substrate or matrix about the

longitudinal member, and reattaching the top or base, or both, to the longitudinal member.

39. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or matrix is able to be removed and replaced without the need to detach either the top or base from the longitudinal member.

40. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or matrix is able to be removed and replaced while the top and base are in a closed position.

41. The packaging means according to any one of the preceding claims wherein the longitudinal member is capable of being stored within the packaging means when the top and base are in a closed position.

42. The packaging means according to any one of the preceding claims wherein the top further comprises a protruding rim and wherein the base has a means for engaging the protruding rim to substantially seal the vapour active pyrethroid when the top and base are in the closed state.

43. The packaging means according to any one of the preceding claims wherein the top is a lid.

44. The packaging means according to any one of the preceding claims further comprising an end-of-life (EOL) indicator comprising a counter, an indicator display

located on the counter and a gear mechanism adapted to rotate the counter one increment each time the packaging means is extended from a closed position to an open position and/or collapsed from an open position to a closed position, such that a user is able to ascertain from the display when the packaging means is substantially depleted in vapour active pyrethroid thereby having reached its EOL.

45. The packaging means according to claim 44 wherein the indicator display is a numeric or colour graphic display.

46. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or matrix is attached to the top and base, wherein the base is able to be surface mounted and is connected to the longitudinal member having a hook on its end, and wherein the cellulosic substrate or matrix is able to be extended and supported in the extended state by attachment of the top to the hook.

47. A method of emanating a vapour active pyrethroid into the atmosphere by the use of a packaging means for retaining vapour active pyrethroids comprising a holder and a cellulosic based substrate or matrix impregnated and/or dosed with the vapour active pyrethroid,

wherein the holder comprises a top, a base and a longitudinal member vertically extending from between the top and base thereby supporting the top and the base in a spaced-apart relationship, and

wherein the cellulosic based substrate or matrix has a honeycomb configuration adapted to be retained between

the top and the base and has a surface area so as to achieve sufficient emanation of the vapour active pyrethroid to control flying insects.

48. The method according to claim 47 wherein the cellulosic based substrate or matrix has a surface area of about 50 - 5000 cm^2 and a height of about 8 - 23 cm.

49. The method according to claim 47 or 48 wherein the cellulosic based substrate or matrix has a surface area of about 50 - 5000 cm^2 and a height of about 17.5 cm.

50. The method according to any one of claims 47 to 49 wherein the cellulosic based substrate or matrix has a surface area of about 180 - 2400 cm^2 and a height of about 8 - 23 cm.

51. The method according to any one of claims 47 to 50 wherein the cellulosic based substrate or matrix has a surface area of about 180 - 2400 cm^2 and a height of about 17.5 cm.

52. The method according to any one of claims 47 to 51 wherein the cellulosic based substrate or matrix has a grammage of about 12 - 260 gsm.

53. The method according to any one of claims 47 to 52 wherein the cellulosic based substrate or matrix has a grammage of about 18 - 40 gsm.

54. The method according to any one of claims 47 to 53 wherein the cellulosic based substrate or matrix has a grammage of about 18 gsm.

55. The method according to any one of claims 47 to 54 wherein the cellulosic based substrate or matrix is impregnated and/or dosed with vapour active pyrethroid in an amount of about 2-3000 mg/m^2 of surface area.

56. The method according to any one of claims 47 to 55 wherein the cellulosic based substrate or matrix is impregnated and/or dosed with vapour active pyrethroid in an amount of about 16-320 mg/m^2 of surface area.

57. The method according to any one of claims 47 to 56 wherein the cellulosic based substrate or matrix is impregnated and/or dosed with vapour active pyrethroid in an amount of about 130-320 mg/m^2 of surface area.

58. The method according to any one of claims 47 to 57 wherein the cellulosic based substrate or matrix is impregnated and/or dosed with vapour active pyrethroid in an amount of about 48-960 mg/m^2 of surface area.

59. The method according to any one of claims 47 to 58 wherein the cellulosic based substrate or matrix is impregnated and/or dosed with vapour active pyrethroid in an amount of about 390-960 mg/m^2 of surface area.

60. The method according to any one of claims 47 to 59 wherein the cellulosic based substrate or matrix is

impregnated and/or dosed with vapour active pyrethroid in an amount of about 144-2880 mg/m^2 of surface area.

61. The method according to any one of claims 47 to 60 wherein the cellulosic based substrate or matrix is impregnated and/or dosed with vapour active pyrethroid in an amount of about 1170-2880 mg/m^2 of surface area.

62. The method according to any one of claims 47 to 61 for controlling any one of mosquitoes, flies, gnats, sandflies, midges, moths.

63. The method according to any one of claims 47 to 62 for controlling mosquitoes.

64. The use of a packaging means for retaining and emanating vapour active pyrethroids comprising a holder and a cellulosic based substrate or matrix impregnated and/or dosed with the vapour active pyrethroid,

wherein the holder comprises a top, a base and a longitudinal member vertically extending from between the top and base, and

wherein the cellulosic based substrate or matrix has a honeycomb configuration adapted to be retained between the top and base and has a surface area so as to achieve sufficient emanation of the vapour active pyrethroid to repel insects.

65. The use according to claim 64 wherein the cellulosic based substrate or matrix has a surface area of about 50 - 5000 cm^2 and a height of about 8 - 23 cm.

66. The use according to claim 64 or claim 65 wherein the cellulosic based substrate or matrix has a surface area of about 50 - 5000 cm^2 and a height of about 17.5 cm.

67. The use according to any one of claims 64 to 66 wherein the cellulosic based substrate or matrix has a surface area of about 180 - 2400 cm^2 and a height of about 8 - 23 cm.

68 The use according to any one of claims 64 to 67 wherein the cellulosic based substrate or matrix has a surface area of about 180 -2400 cm^2 and a height of about 17.5 cm.

69. The use according to any one of claims 64 to 68 wherein the cellulosic based substrate or matrix has a grammage of about 12 - 260 gsm.

70. The use according to any one of claims 64 to 68 wherein the cellulosic based substrate or matrix has a grammage of about 18 - 40 gsm.

71. The use according to any one of claims 64 to 69 wherein the cellulosic based substrate or matrix has a grammage of about 18 gsm.

72. The use according to any one of claims 64 to 70 wherein the cellulosic based substrate or matrix is impregnated and/or dosed with vapour active pyrethroid in an amount of about 2-3000 mg/m^2 of surface area.

73. The use according to any one of claims 64 to 71 wherein the cellulosic based substrate or matrix is

impregnated and/or dosed with vapour active pyrethroid in an amount of about 16-320 mg/m^2 of surface area.

74. The use according to any one of claims 64 to 72 wherein the cellulosic based substrate or matrix is impregnated and/or dosed with vapour active pyrethroid in an amount of about 130-320 mg/m^2 of surface area.

75. The use according to any one of claims 64 to 73 wherein the cellulosic based substrate or matrix is impregnated and/or dosed with vapour active pyrethroid in an amount of about 48-960 mg/m^2 of surface area.

76. The use according to any one of claims 64 to 74 wherein the cellulosic based substrate or matrix is impregnated and/or dosed with vapour active pyrethroid in an amount of about 390-960 mg/m^2 of surface area.

77. The use according to any one of claims 64 to 75 wherein the cellulosic based substrate or matrix is impregnated and/or dosed with vapour active pyrethroid in an amount of about 144-2880 mg/m^2 of surface area.

78. The use according to any one of claims 64 to 76 wherein the cellulosic based substrate or matrix is impregnated and/or dosed with vapour active pyrethroid in an amount of about 1170-2880 mg/m^2 of surface area.

79. The use of the packaging means of any one of claims 71 to 85 for controlling any one of mosquitoes, flies, gnats, sandflies, midges, moths.

80. The use of the packaging means of any one of claims 71 to 86 for controlling mosquitoes.

MANUSCRIPT AMENDED PAGES.

CLAIMS:

1. A packaging means for retaining vapour active pyrethroids comprising a holder and a cellulosic based substrate or matrix impregnated and/or dosed with the vapour active pyrethroid,

wherein the holder comprises a top, a base and a longitudinal member vertically extending from between the top and base, thereby supporting the top and the base in a spaced-apart relationship, and

wherein the cellulosic based substrate or matrix has a honeycomb configuration adapted to be retained between the top and the base and has a surface area so as to achieve sufficient emanation of the vapour active pyrethroid to control flying insects.

2. A packaging means for retaining vapour active pyrethroids comprising a holder and a cellulosic based substrate or matrix impregnated and/or dosed with the vapour active pyrethroid, wherein the holder comprises a top, a base and a longitudinal member vertically extending from between the top and base, and wherein the cellulosic matrix has a honeycomb configuration adapted to be retained between the top and base and has a surface area so as to achieve sufficient emanation of the vapour active pyrethroid to control flying insects, and wherein the cellulosic substrate or matrix is comprised of two or more discrete parts.

3. The packaging means according to claim 2 wherein the cellulosic substrate is comprised of two parts.

4. The packaging means according to claim 3 wherein the two parts are of substantially identical dimensions.

5. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or matrix has a surface area of about 50 - 5000 cm^2 and a height of about 8 - 23 cm.

6. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or matrix has a surface area of about 50 - 5000 cm^2 and a height of about 17.5 cm.

7. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or matrix has a surface area of about 180 - 2400 cm^2 and a height of about 8 - 23 cm.

8. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or matrix has a surface area of about 180-2400 cm^2 and a height of about 17.5 cm.

9. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or matrix has a grammage of about 12 - 260 gsm.

10. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or matrix has a grammage of about 18 - 40 gsm

11. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or matrix has a grammage of about 18 gsm.

12. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or matrix is impregnated and/or dosed with vapour active pyrethroid in an amount of about 2-3000 mg/m^2 of surface area.

13. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or matrix is impregnated and/or dosed with vapour active pyrethroid in an amount of about 16 - 320 mg/m^2 of surface area.

14. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or matrix is impregnated and/or dosed with vapour active pyrethroid in an amount of about 130-320 mg/m^2 of surface area

15. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or matrix is impregnated and/or dosed with vapour active pyrethroid in an amount of about 48-960 mg/m^2 of surface area.

16. The packaging means according any one of the preceding claims wherein the cellulosic based substrate or matrix is impregnated and/or dosed with vapour active pyrethroid in an amount of about 390-960 mg/m^2 of surface area.

17. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or

matrix is impregnated and/or dosed with vapour active pyrethroid in an amount of about 144-2880 mg/m^2 of surface area.

18. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or matrix is impregnated and/or dosed with vapour active pyrethroid in an amount of about 1170-2880 mg/m^2 of surface area.

19. The packaging means according to any one of the preceding claims wherein the longitudinal member is releasably attachable to the top, base or both of the top and base.

20. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or matrix, or the longitudinal vertically extending member, or both, are capable of being extended so that the top and base are in an open state or collapsed so that the top and base are in a closed state.

21. The packaging means according to claim 20 wherein the open state allows the vapour active pyrethroid to emanate into the atmosphere.

22. The packaging means according to claim 20 wherein the closed state substantially seals the cellulosic based substrate or matrix so that a minimal amount of vapour active pyrethroid is emanated into the atmosphere.

23. The packaging means according to claim 20 wherein the top and base are capable of being maintained in an intermediate state between the open and closed states thereby allowing the amount of surface area of the cellulosic based substrate or matrix exposed to the atmosphere to be controlled resulting in the control of the amount of vapour active pyrethroid emanated.

24. The packaging means according to any one of the preceding claims wherein the longitudinal member vertically extending between the top and the base is a column.

25. The packaging means according to claim 24 wherein the column is collapsible by folding at one or more hinged joints.

26. The packaging means according to claim 24 or claim 25 wherein the column is comprised of one or more parts and is collapsible by telescopic movement of the one or more parts of the column within the other parts of the column.

27. The packaging means according to any one of claims 24 to 26 wherein the column is comprised of two or more interfitting parts.

28. The packaging means according to any one of claims 24 to 27 wherein the column is comprised of two or more releasable interfitting parts.

29. The packaging means according to any one of claims 24 to 27 wherein the column is comprised of two or more non-releasable interfitting parts.

30. The packaging means according to claim 27 wherein the parts are able to be interfitted by means of a slotted configuration wherein each respective part comprises a slot which fits into the slot of another one or more parts .

31. The packaging means according to any one of claims 24 to 30 wherein the top is adapted to receive the column through an aperture thereby allowing the top to be moved along the column by a sliding motion so that the holder is able to be opened by sliding the top away from the base or closed by sliding the top towards the base.

32. The packaging means according to any one of the preceding claims wherein the longitudinal member vertically extending between the top and the base is a spring.

33. The packaging means according to claim 32 wherein the spring is compressed in the resting state so that the cellulosic based substrate or matrix is maintained in a collapsed state in the absence of an externally applied force.

34. The packaging means according to claim 32 or claim 33 wherein the spring is uncompressed in the resting state so that the cellulosic based substrate or matrix is

maintained in an extended state in the absence of an externally applied force.

35. The packaging means according to any one of the preceding claims wherein the holder and cellulosic based substrate or matrix are adapted to allow the cellulosic matrix to be releasably retained in the holder and replaced as required.

36. The packaging means according to any one of the preceding claims wherein the holder comprises a slot within the periphery of each of the top and base and the cellulosic based substrate or matrix comprises a card on each of its ends, wherein the cards are able to be slid within the slots thereby allowing the cellulosic based substrate or matrix to be releasably retained in the holder.

37. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or matrix is adapted to receive the longitudinal member through an aperture thereby retaining the cellulosic based substrate or matrix between the top and base.

38. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or matrix is able to be replaced by detaching the top or base, or both, from the longitudinal member, mounting the cellulosic based substrate or matrix about the longitudinal member, and reattaching the top or base, or both, to the longitudinal member.

39. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or matrix is able to be removed and replaced without the need to detach either the top or base from the longitudinal member.

40. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or matrix is able to be removed and replaced while the top and base are in a closed position.

41. The packaging means according to any one of the preceding claims wherein the longitudinal member is capable of being stored within the packaging means when the top and base are in a closed position.

42. The packaging means according to any one of the preceding claims wherein the top further comprises a protruding rim and wherein the base has a means for engaging the protruding rim to substantially seal the vapour active pyrethroid when the top and base are in the closed state.

43. The packaging means according to any one of the preceding claims wherein the top is a lid.

44. The packaging means according to any one of the preceding claims further comprising an end-of-life (EOL) indicator comprising a counter, an indicator display located on the counter and a gear mechanism adapted to rotate the counter one increment each time the packaging means is extended from a closed position to an open

position and/or collapsed from an open position to a closed position, such that a user is able to ascertain from the display when the packaging means is substantially depleted in vapour active pyrethroid thereby having reached its EOL.

45. The packaging means according to claim 44 wherein the indicator display is a numeric or colour graphic display.

46. The packaging means according to any one of the preceding claims wherein the cellulosic based substrate or matrix is attached to the top and base, wherein the base is able to be surface mounted and is connected to the longitudinal member having a hook on its end, and wherein the cellulosic substrate or matrix is able to be extended and supported in the extended state by attachment of the top to the hook.

~~47. A cellulosic based substrate or matrix having~~ a honeycomb structure ~~that~~ when in an extended state, has a surface ~~area~~ of about 50 - 5000 cm^2 and a height of about ~~8 - 23 cm~~.

~~48. The cellulosic based substrate or matrix~~ according to claim 47 having a honeycomb structure that when in an extended ~~state, has~~ a surface area of about 50 - 5000 cm^2 ~~and a height of about 17.5~~ cm.

~~49. A cellulosic based substrate or matrix~~ according to claim 47 or claim 48 ~~having~~ a honeycomb structure that when in an ~~extended~~ state, has a surface area of about 180 - ~~2400 cm^2 and a height of about 8 - 23 cm~~.

50. The cellulosic based substrate or matrix according to any one of claims 47 to 49 having a honeycomb structure that when in an extended state, has a surface area of about 180 - 2400 cm^2 and a height of about 17.5 cm.

51. The cellulosic based substrate or matrix according any one of claims 47 to 50 having a grammage of about 12 - 260 gsm.

52. The cellulosic based substrate or matrix according to any one of claims 47 to 51 having a grammage of about 18 - 40 gsm.

53. The cellulosic based substrate or matrix according to any one of claims 47 to 52 having a grammage of about 18 gsm.

47 54. A method of emanating a vapour active pyrethroid into the atmosphere by the use of a packaging means for retaining vapour active pyrethroids comprising a holder and a cellulosic based substrate or matrix impregnated and/or dosed with the vapour active pyrethroid,

wherein the holder comprises a top, a base and a longitudinal member vertically extending from between the top and base, thereby supporting the top and the base in a spaced-apart relationship, and

wherein the cellulosic based substrate or matrix has a honeycomb configuration adapted to be retained between the top and the base and has a surface area so as to achieve sufficient emanation of the vapour active pyrethroid to control flying insects.

48 55. The method according to claim 47 54 wherein the cellulosic based substrate or matrix has a surface area of about 50 - 5000 cm^2 and a height of about 8 - 23 cm.

49 56. The method according to claim 47 54 or 48 58 wherein the cellulosic based substrate or matrix has a surface area of about 50 - 5000 cm^2 and a height of about 17.5 cm.

50 57. The method according to any one of claims 47 54 to 49 56 wherein the cellulosic based substrate or matrix has a surface area of about 180 - 2400 cm^2 and a height of about 8 - 23 cm.

51 58. The method according to any one of claims 47 54 to 50 57 wherein the cellulosic based substrate or matrix has a surface area of about 180 - 2400 cm^2 and a height of about 17.5 cm.

52 59. The method according to any one of claims 47 54 to 51 58 wherein the cellulosic based substrate or matrix has a grammage of about 12 - 260 gsm.

53 60. The method according to any one of claims 47 54 to 52 59 wherein the cellulosic based substrate or matrix has a grammage of about 18 - 40 gsm.

54 61. The method according to any one of claims 47 54 to 53 60 wherein the cellulosic based substrate or matrix has a grammage of about 18 gsm.

55 62. The method according to any one of claims 47 54 to 54 61 wherein the cellulosic based substrate or matrix is

impregnated and/or dosed with vapour active pyrethroid in an amount of about 2-3000 mg/m^2 of surface area.

56 47 55
~~63~~. The method according to any one of claims ~~54~~ to ~~62~~ wherein the cellulosic based substrate or matrix is impregnated and/or dosed with vapour active pyrethroid in an amount of about 16-320 mg/m^2 of surface area.

57 47 56
~~64~~. The method according to any one of claims ~~54~~ to ~~63~~ wherein the cellulosic based substrate or matrix is impregnated and/or dosed with vapour active pyrethroid in an amount of about 130-320 mg/m^2 of surface area.

58 47 57
~~65~~. The method according to any one of claims ~~54~~ to ~~64~~ wherein the cellulosic based substrate or matrix is impregnated and/or dosed with vapour active pyrethroid in an amount of about 48-960 mg/m^2 of surface area.

59 47 58
~~66~~. The method according to any one of claims ~~54~~ to ~~63~~ wherein the cellulosic based substrate or matrix is impregnated and/or dosed with vapour active pyrethroid in an amount of about 390-960 mg/m^2 of surface area.

60 47 59
~~67~~. The method according to any one of claims ~~54~~ to ~~66~~ wherein the cellulosic based substrate or matrix is impregnated and/or dosed with vapour active pyrethroid in an amount of about 144-2880 mg/m^2 of surface area.

61 47 60
~~68~~. The method according to any one of claims ~~54~~ to ~~67~~ wherein the cellulosic based substrate or matrix is impregnated and/or dosed with vapour active pyrethroid in an amount of about 1170-2880 mg/m^2 of surface area.

62 47 61
69. The method according to any one of claims 54 to 68 for controlling any one of mosquitoes, flies, gnats, sandflies, midges, moths.

63 47 62
70. The method according to any one of claims 54 to 69 for controlling mosquitoes.

64
71. The use of a packaging means for retaining and emanating vapour active pyrethroids comprising a holder and a cellulosic based substrate or matrix impregnated and/or dosed with the vapour active pyrethroid,

wherein the holder comprises a top, a base and a longitudinal member vertically extending from between the top and base, and

wherein the cellulosic based substrate or matrix has a honeycomb configuration adapted to be retained between the top and base and has a surface area so as to achieve sufficient emanation of the vapour active pyrethroid to repel insects.

65 64
72. The use according to claim 71 wherein the cellulosic based substrate or matrix has a surface area of about 50 - 5000 cm^2 and a height of about 8 - 23 cm.

66 64 65
73. The use according to claim 71 or claim 72 wherein the cellulosic based substrate or matrix has a surface area of about 50 - 5000 cm^2 and a height of about 17.5 cm.

67 64 66
74. The use according to any one of claims 71 to 73 wherein the cellulosic based substrate or matrix has a

surface area of about 180 - 2400 cm^2 and a height of about 8 - 23 cm.

68 64 67
75. The use according to any one of claims 71 to 74 wherein the cellulosic based substrate or matrix has a surface area of about 180 -2400 cm^2 and a height of about 17.5 cm.

69 64 68
76. The use according to any one of claims 71 to 75 wherein the cellulosic based substrate or matrix has a grammage of about 12 - 260 gsm.

70 64 68
77. The use according to any one of claims 71 to 76 wherein the cellulosic based substrate or matrix has a grammage of about 18 - 40 gsm.

71 64 69
78. The use according to any one of claims 71 to 77 wherein the cellulosic based substrate or matrix has a grammage of about 18 gsm.

72 64 70
79. The use according to any one of claims 71 to 78 wherein the cellulosic based substrate or matrix is impregnated and/or dosed with vapour active pyrethroid in an amount of about 2-3000 mg/m^2 of surface area.

73 64 71
80. The use according to any one of claims 71 to 79 wherein the cellulosic based substrate or matrix is impregnated and/or dosed with vapour active pyrethroid in an amount of about 16-320 mg/m^2 of surface area.

74 64 72
81. The use according to any one of claims 71 to 80 wherein the cellulosic based substrate or matrix is

impregnated and/or dosed with vapour active pyrethroid in an amount of about 130-320 mg/m^2 of surface area.

75 64 73
~~82~~. The use according to any one of claims ~~71~~ to ~~81~~ wherein the cellulosic based substrate or matrix is impregnated and/or dosed with vapour active pyrethroid in an amount of about 48-960 mg/m^2 of surface area.

~~76~~ 64 74
~~83~~. The use according to any one of claims ~~71~~ to ~~82~~ wherein the cellulosic based substrate or matrix is impregnated and/or dosed with vapour active pyrethroid in an amount of about 390-960 mg/m^2 of surface area.

77 64 75
~~84~~. The use according to any one of claims ~~71~~ to ~~83~~ wherein the cellulosic based substrate or matrix is impregnated and/or dosed with vapour active pyrethroid in an amount of about 144-2880 mg/m^2 of surface area.

78 64 76
~~85~~. The use according to any one of claims ~~71~~ to ~~84~~ wherein the cellulosic based substrate or matrix is impregnated and/or dosed with vapour active pyrethroid in an amount of about 1170-2880 mg/m^2 of surface area.

79
~~86~~. The use of the packaging means of any one of claims 71 to 85 for controlling any one of mosquitoes, flies, gnats, sandflies, midges, moths.

80
~~87~~. The use of the packaging means of any one of claims 71 to 86 for controlling mosquitoes.

~~88. An indicator for indicating the end-of-life (EOL)~~ of a packaging means ~~for retaining~~ and emanating a vapour

active pyrethroid comprising a counter, an indicator display located on the counter and a gear mechanism adapted to rotate the counter one increment each time the packaging means is extended from closed position to an open position such that a user is able to ascertain from the display when the packaging means is substantially depleted in vapour active pyrethroid thereby having reached the EOL.

89. The indicator of claim 88 wherein the gear mechanism is adapted to rotate the counter one increment each time the packaging means is collapsed from an open position to a closed position.

90. The indicator of claim 88 or claim 89 wherein the gear mechanism is adapted to rotate the counter one increment each time the packaging means is extended from an open position to a closed position and collapsed from an open position to a closed position.

91. The indicator according to any one of claims 88 to 90 wherein the indication is by means of a graphic display.

92. The indicator according to claim 91 wherein the graphic display comprises a change in colour as an indicator of EOL.

91. The indicator according to claim 91 wherein the graphic display comprises a gradation in colour as an ~~indicator of EOL.~~

93. The indicator according to claim 91 wherein the graphic display comprises a numerical display as an indicator of EOL.

94. The indicator according to claim 91 wherein the graphic display comprises a series of dots of changing size as an indicator of EOL.

95. The indicator according to any one of claims 88 to 94 wherein the user is able to set the EOL indicator to a desired EOL period.

96. The indicator according to any one of claims 88 to 95 wherein the user is able to reset the EOL indicator.